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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/028,433	12/28/2001	Young-Sang Byun	3430-0175P	3430-0175P 4398		
2292	7590 06/14/2006		EXAM	EXAMINER		
	WART KOLASCH &	DUONG,	DUONG, THOI V			
PO BOX 747 FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER		
			2871			
			DATE MAILED: 06/14/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/028,433	BYUN ET AL.		
Examiner	Art Unit		
Thoi V. Duong	2871		

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	Thoi V. Duong	2871	
The MAILING DATE of this communication appe	ars on the cover sheet with the d	orrespondence add	ress
THE REPLY FILED 24 May 2006 FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR AL	LOWANCE.	
 The reply was filed after a final rejection, but prior to or or this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance 	wing replies: (1) an amendment, aff otice of Appeal (with appeal fee) in c	idavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)
time periods:			
 a) The period for reply expires <u>03</u> months from the mailing da b) The period for reply expires on: (1) the mailing date of this A 		in the final rejection, wh	ichover is later. In
no event, however, will the statutory period for reply expire I			
Examiner Note: If box 1 is checked, check either box (a) or TWO MONTHS OF THE FINAL REJECTION. See MPEP 7		E FIRST REPLY WAS F	ILED WITHIN
Extensions of time may be obtained under 37 CFR 1.136(a). The date	on which the petition under 37 CFR 1.1		
have been filed is the date for purposes of determining the period of ex under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office late may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	shortened statutory period for reply orig r than three months after the mailing da	inally set in the final Offi	ce action; or (2) as
2. The Notice of Appeal was filed on A brief in comp	pliance with 37 CFR 41.37 must be	filed within two montl	ns of the date of
filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of th	
AMENDMENTS	hutusia ta tha data af Elisa a baiaf		
 The proposed amendment(s) filed after a final rejection, They raise new issues that would require further co 			ecause
(b) They raise the issue of new matter (see NOTE belo		12 50.017),	
(c) They are not deemed to place the application in be	•	ducing or simplifying	the issues for
appeal; and/or (d) ☐ They present additional claims without canceling a	corresponding number of finally rei	ected claims	
NOTE: (See 37 CFR 1.116 and 41.33(a)).		ected ciainis.	
4. The amendments are not in compliance with 37 CFR 1.1		mpliant Amendment	(PTOL-324).
5. Applicant's reply has overcome the following rejection(s)		•	(/·
 Newly proposed or amended claim(s) would be a non-allowable claim(s). 		timely filed amendme	ent canceling the
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is pro The status of the claim(s) is (or will be) as follows:		II be entered and an o	explanation of
Claim(s) allowed:			
Claim(s) objected to: Claim(s) rejected: <u>1,2,4,6-10 and 12-16</u> .			
Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE			
 The affidavit or other evidence filed after a final action, be because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e). 			
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessar	overcome <u>all</u> rejections under appe	al and/or appellant fa	ils to provide a
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	on of the status of the claims after e	entry is below or attac	hed.
 The request for reconsideration has been considered by See Continuation Sheet. 	ut does NOT place the application i	n condition for allowa	nce because:
12. Note the attached Information Disclosure Statement(s).	(PTO/SB/08 or PTO-1449) Paper I	No(s)	
13. Other:		0.:2-	والشائد الدائشين
		ATOANTON .	
	P	MARY EXAMINE	
		THE PARTY IN LANGUAGE	• •

U.S. Patent and Trademark Office PTOL-303 (Rev. 7-05) Continuation of 11. does NOT place the application in condition for allowance because: Applicant's arguments are not presuasive. Von Gutfeld teaches a system for emitting the liquid crystal material comprising a pressurized LC source 23 for feeding LC material to the small holes 22 of the nozzle fixture 21 and out to the substrate 1A during the moving of the substrate in one direction as shown in Figs. 2 and 3. Nagato teaches an ink-jet system for emitting the ink comprising an ink holding section 44 and a resonator 43 (or piezoelectric element) formed on top of the ink holding section and electrically connected to a pulse generator 45 so as to apply a pressure on the ink holding section 44 to emit the ink forward from the slit 42 during the application of voltage (an ON voltage) to the resonator 43 (see Embodiment 5, col. 15, lines 8-41). Thus, there's no reason why one skilled in the art can't apply the system of Nagato for emitting the liquid crystal material in the method and apparatus of von Gutfeld in order to accomplish the emission with high controllability (col. 13, lines 31-34). In general, the concept disclosed by Nagato alone is obviously readable on the claimed invention recited claims 1 and 9. Finally, it is clear from the embodiment 5 of Nagato that the ink droplet is ejected from the slit 42 by the applied pressure from the resonator. It is also noted that, although the structure of the ink-ejecting slit 42 is similar to Embodiments 1-4, the method of ejecting the ink comprising "a piezoelectric element 43 (resonator) formed on the ink holding section 44 and electrically connected to a pulse generator 45 for applying a pressure to the ink so as to emit the ink forward from the ink-ejecting slit 42" is not disclosed in Embodiments 1-4 (emphasis added).